

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 14:09:07 ON 13 MAR 2006
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10/828,291

=> s alkene?
L2 95199 ALKENE?

=> s olefin?
L3 169040 OLEFIN?

=> s l2 or l3
L4 222390 L2 OR L3

=> s (remov? or separati?
UNMATCHED LEFT PARENTHESIS '(REMOV?'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s (remov? or separati?)
1201050 REMOV?
218010 SEPARATI?
L5 1391954 (REMOV? OR SEPARATI?)

=> s (gas stream or effluent?)
1483163 GAS
147418 STREAM
17542 GAS STREAM
(GAS (W) STREAM)
118257 EFFLUENT?
L6 135027 (GAS STREAM OR EFFLUENT?)

=> s absorb?
L7 404886 ABSORB?

=> s adsorb?
L8 322510 ADSORB?

=> s l7 or l8
L9 710211 L7 OR L8

=> s l6 and l9
L10 10347 L6 AND L9

=> s l10 and l5
L11 5927 L10 AND L5

=> s l11 and l4
L12 115 L11 AND L4

=> s cool?
L13 694651 COOL?

=> s compress?
L14 274178 COMPRESS?

=> s l14 or l13
L15 948416 L14 OR L13

=> s l15 and l12
L16 23 L15 AND L12

=> d tot cbib abs

L16 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
2005:1155592 Document No. 143:406268 Separating an olefin
from a gas stream and part of epoxidation process and
propene process. Gobbel, Hans-Georg; Schultz, Henning; Schultz, Peter;
Patrascu, Renate; Schulz, Malte; Weidenbach, Meinolf (BASF
Aktiengesellschaft, Germany; The Dow Chemical Company). U.S. Pat. Appl.
Publ. US 2005240038 A1 20051027, 18 pp. (English). CODEN: USXXCO.

APPLICATION: US 2004-828291 20040421.

AB In an olefin gas stream, the gas
stream comprising the olefin and ≥1 other
component, the title method comprises (i) compressing and
cooling the gas stream, (ii) separating the
olefin from the gas stream by
absorbing the olefin in an absorbent, (iii)
separating the olefin from the absorbent by desorption,
where compressing or cooling or compressing
and cooling in (i) is carried out at least twice.

L16 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
2005:556670 Document No. 143:214117 Process for olefin
removal from refinery gas. Zhao, Lan; Zu, Jun; Zheng, Weiping
(Beijing New Baron Petrochemical Equipment Inc., Peop. Rep. China).
Faming Zhuanli Shenqing Gongkai Shuomingshu CN 1544582 A 20041110, No pp.
given (Chinese). CODEN: CNXXEV. APPLICATION: CN 2010-115033 20031120.

AB The title process comprises reacting refinery gas with benzene in a
catalytic reactor, cooling the product gas, separating, condensing
the gaseous fractions, feeding it into a return tank, pumping the
condensed fractions to a separating tower for return flow, feeding the
non-condensed gas into refrigerator, feeding the gas phase in an
absorbing tower, pressurizing the effluent from the
bottom of the separating tower, and feeding into benzene tower, feeding the
non-condensed gas cooled in the separating tower top into absorption
tower for downward counter current contact with the absorption agent, thus
absorbing the heavy components therein.

L16 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN
2002:486173 Document No. 137:47604 Adsorptive-extractive process for the
removal of water and heteroatom-containing compounds from
hydrocarbons for their purification. Johnson, Marvin M.; Randolph, Bruce

=> d his

(FILE 'HOME' ENTERED AT 13:15:59 ON 13 MAR 2006)

FILE 'REGISTRY' ENTERED AT 13:16:12 ON 13 MAR 2006

L1 0 S PROPYLLENE OXIDE/CN
L2 1 S PROPYLENE OXIDE/CN
L3 1 S HYDROGEN PEROXIDE/CN

FILE 'CAPLUS' ENTERED AT 13:17:29 ON 13 MAR 2006

L4 274178 S COMPRESS?
L5 20079 S L3/RCT
L6 3027 S L2/P
L7 205 S L5 AND L6
L8 2 S L4 AND L7
L9 169040 S OLEFIN?
L10 95199 S ALKENE?
L11 222390 S L9 OR L10
L12 78901 S PROPENE?
L13 181177 S PROPYLENE?
L14 236227 S L12 OR L13
L15 414540 S L14 OR L11
L16 6740 S L4 AND L15
L17 441091 S (MULTIPLE OR PLURAL)
L18 54 S L17 (5A) L16
L19 54 S L17 AND L16
L20 279605 S L12 OR L11
L21 694651 S COOL?
L22 20413 S L4 AND L21
L23 426 S L22 AND L20
L24 1256 S COMPRESSIONS
L25 0 S L23 AND L24
L26 10 S COOLING TWICE
L27 0 S L26 AND L23
L28 0 S COOLING MORE THAN ONCE
L29 0 S PLURLA COOLING?